chain nodes :
```
   9   16   17   18   25   26   27   40   41   42   63   64   65   76   77   78   79   80   81   82   83   84
   85   86
```
ring nodes :
```
   1    2    3    4    5    6    7    8    10   11   12   13   14   15   19   20   21   22   23   24   28   29   30   31
   32  ·33   34   35   36   37   38   39   43   44   45   46   47   48   49   50   51   52   53   54   55   56
   57   58   59   60   61   62   66   67   68   69   70   71   72   73   74   75
```
chain bonds :
```
   4-9    9-10   12-41   13-17   14-18   15-16   16-19   21-25   22-26   23-27   30-40   35-79   41-42
   42-84   43-83   45-82   50-64   52-63   54-65   61-81,  67-80   70-78   73-77   75-76   84-85
   84-86
```
ring bonds :
```
   1-2    1-6    1-68    2-3    3-4    3-8    4-5    5-6    5-7    7-29    8-28    10-11   10-15   11-12   12-13
   13-14   14-15   19-20·  19-24   20-21   21-22   22-23   23-24   28-30   28-34   29-35   29-39
   30-31   31-32   32-33   32-43   33-34   35-36   36-37   37-38   37-75   38-39   43-44   44-45
   44-62   45-46   46-47   47-48   48-49   48-53   49-50   49-55   50-51   51-52   52-53   54-55
   54-59   55-56   56-57   57-58   57-60   58-59   60-61   60-66   61-62   66-67   67-68   68-69
   69-70   70-71   71-72   72-73   73-74   74-75
```
exact/norm bonds :
```
   1-68    3-8    4-9    5-7    7-29    8-28    9-10    10-11   10-15   11-12   12-13   13-14   13-17   14-15
   14-18   15-16   16-19   19-20   19-24   20-21   21-22   22-23   22-26   23-24   23-27   32-43
   37-75   41-42   42-84   43-44   43-83   44-45   44-62   45-46   45-82   46-47   47-48   49-55·
   50-64   52-63   54-65   57-60   60-61   60-66   61-62   61-81   66-67   67-68   67-80   68-69
   69-70   70-71   70-78   71-72   72-73   73-74   73-77   74-75   75-76   84-85   84-86
```
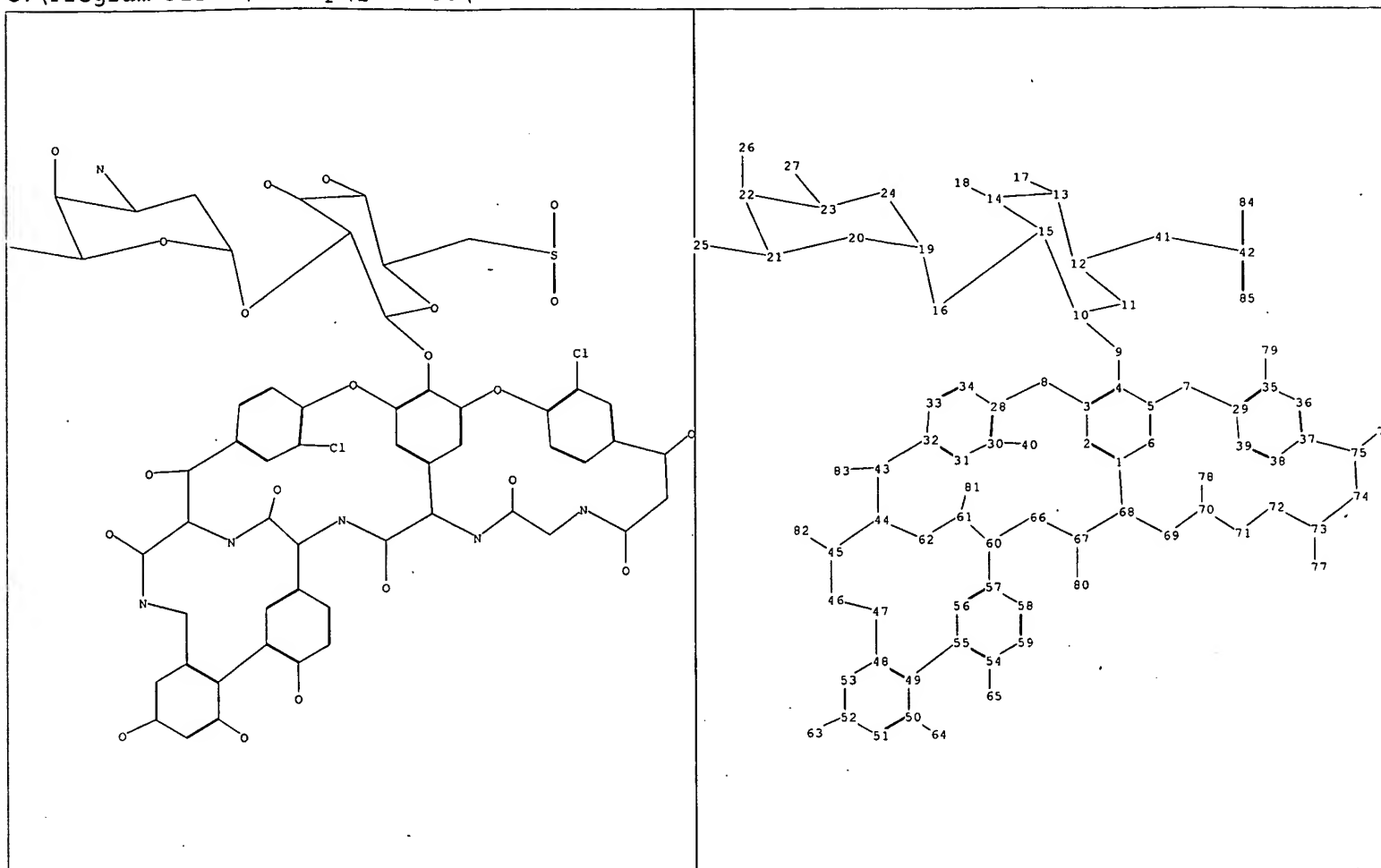exact bonds :
```
   12-41   21-25   30-40   35-79
```
normalized bonds :

1-2   1-6   2-3   3-4   4-5   5-6   28-30   28-34   29-35   29-39   30-31   31-32   32-33   33-34
35-36   36-37   37-38   38-39   48-49   48-53   49-50   50-51   51-52   52-53   54-55   54-59
55-56   56-57   57-58   58-59


Match level :
  1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:CLASS   10:Atom
  11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:CLASS   17:CLASS   18:CLASS   19:Atom
  20:Atom   21:Atom   22:Atom   23:Atom   24:Atom   25:CLASS   26:CLASS   27:CLASS   28:Atom
  29:Atom   30:Atom   31:Atom   32:Atom   33:Atom   34:Atom   35:Atom   36:Atom   37:Atom   38:Atom
  39:Atom   40:CLASS   41:CLASS   42:Atom   43:Atom   44:Atom   45:Atom   46:Atom   47:Atom
  48:Atom   49:Atom   50:Atom   51:Atom   52:Atom   53:Atom   54:Atom   55:Atom   56:Atom   57:Atom
  58:Atom   59:Atom   60:Atom   61:Atom   62:Atom   63:CLASS   64:CLASS   65:CLASS   66:Atom
  67:Atom   68:Atom   69:Atom   70:Atom   71:Atom   72:Atom   73:Atom   74:Atom   75:Atom
  76:CLASS   77:CLASS   78:CLASS   79:CLASS   80:CLASS   81:CLASS   82:CLASS   83:CLASS   84:CLASS
  85:CLASS   86:CLASS

chain nodes :
    9   16   17   18   25   26   27   40   41   42   63   64   65   76   77   78   79   80   81   82   83   84
    85
ring nodes :
    1   2   3   4   5   6   7   8   10   11   12   13   14   15   19   20   21   22   23   24   28   29   30   31
    32   33   34   35   36   37   38   39   43   44   45   46   47   48   49   50   51   52   53   54   55   56
    57   58   59   60   61   62   66   67   68   69   70   71   72   73   74   75
chain bonds :
    4-9   9-10   12-41   13-17   14-18   15-16   16-19   21-25   22-26   23-27   30-40   35-79   41-42
    42-84   42-85   43-83   45-82   50-64   52-63   54-65   61-81   67-80   70-78   73-77   75-76
ring bonds :
    1-2   1-6   1-68   2-3   3-4   3-8   4-5   5-6   5-7   7-29   8-28   10-11   10-15   11-12   12-13
    13-14   14-15   19-20   19-24   20-21   21-22   22-23   23-24   28-30   28-34   29-35   29-39
    30-31   31-32   32-33   32-43   33-34   35-36   36-37   37-38   37-75   38-39   43-44   44-45
    44-62   45-46   46-47   47-48   48-49   48-53   49-50   49-55   50-51   51-52   52-53   54-55
    54-59   55-56   56-57   57-58   57-60   58-59   60-61   60-66   61-62   66-67   67-68   68-69
    69-70   70-71   71-72   72-73   73-74   74-75
exact/norm bonds :
    1-68   3-8   4-9   5-7   7-29   8-28   9-10   10-11   10-15   11-12   12-13   13-14   13-17   14-15
    14-18   15-16   16-19   19-20   19-24   20-21   21-22   22-23   22-26   23-24   23-27   32-43
    37-75   41-42   42-84   42-85   43-44   43-83   44-45   44-62   45-46   45-82   46-47   47-48
    49-55   50-64   52-63   54-65   57-60   60-61   60-66   61-62   61-81   66-67   67-68   67-80
    68-69   69-70   70-71   70-78   71-72   72-73   73-74   73-77   74-75   75-76
exact bonds :
    12-41   21-25   30-40   35-79
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   28-30   28-34   29-35   29-39   30-31   31-32   32-33   33-34
    35-36

```
             36-37   37-38   38-39   48-49   48-53   49-50   50-51   51-52   52-53   54-55   54-59
   55-56   56-57   57-58   58-59
```

Match level :
```
   1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:CLASS   10:Atom
   11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:CLASS  17:CLASS  18:CLASS  19:Atom
   20:Atom  21:Atom  22:Atom  23:Atom  24:Atom  25:CLASS  26:CLASS  27:CLASS  28:Atom
   29:Atom  30:Atom  31:Atom  32:Atom  33:Atom  34:Atom  35:Atom  36:Atom  37:Atom  38:Atom
   39:Atom  40:CLASS  41:CLASS  42:Atom  43:Atom  44:Atom  45:Atom  46:Atom  47:Atom
   48:Atom  49:Atom  50:Atom  51:Atom  52:Atom  53:Atom  54:Atom  55:Atom  56:Atom  57:Atom
   58:Atom  59:Atom  60:Atom  61:Atom  62:Atom  63:CLASS  64:CLASS  65:CLASS  66:Atom
   67:Atom  68:Atom  69:Atom  70:Atom  71:Atom  72:Atom  73:Atom  74:Atom  75:Atom
   76:CLASS  77:CLASS  78:CLASS  79:CLASS  80:CLASS  81:CLASS  82:CLASS  83:CLASS  84:CLASS
   85:CLASS
```

Connecting via Winsock to STN


Welcome to STN International!   Enter x:x

LOGINID:ssptafxll600

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

    NEWS  1              Web Page URLs for STN Seminar Schedule - N. America
    NEWS  2              "Ask CAS" for self-help around the clock
    NEWS  3   DEC 18     CA/CAplus pre-1967 chemical substance index entries enhanced
                         with preparation role
    NEWS  4   DEC 18     CA/CAplus patent kind codes updated
    NEWS  5   DEC 18     MARPAT to CA/CAplus accession number crossover limit increased
                         to 50,000
    NEWS  6   DEC 18     MEDLINE updated in preparation for 2007 reload
    NEWS  7   DEC 27     CA/CAplus enhanced with more pre-1907 records
    NEWS  8   JAN 08     CHEMLIST enhanced with New Zealand Inventory of Chemicals
    NEWS  9   JAN 16     CA/CAplus Company Name Thesaurus enhanced and reloaded
    NEWS 10   JAN 16     IPC version 2007.01 thesaurus available on STN
    NEWS 11   JAN 16     WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
    NEWS 12   JAN 22     CA/CAplus updated with revised CAS roles
    NEWS 13   JAN 22     CA/CAplus enhanced with patent applications from India
    NEWS 14   JAN 29     PHAR reloaded with new search and display fields
    NEWS 15   JAN 29     CAS Registry Number crossover limit increased to 300,000 in
                         multiple databases
    NEWS 16   FEB 15     PATDPASPC enhanced with Drug Approval numbers
    NEWS 17   FEB 15     RUSSIAPAT enhanced with pre-1994 records
    NEWS 18   FEB 23     KOREAPAT enhanced with IPC 8 features and functionality
    NEWS 19   FEB 26     MEDLINE reloaded with enhancements
    NEWS 20   FEB 26     EMBASE enhanced with Clinical Trial Number field
    NEWS 21   FEB 26     TOXCENTER enhanced with reloaded MEDLINE
    NEWS 22   FEB 26     IFICDB/IFIPAT/IFIUDB reloaded with enhancements
    NEWS 23   FEB 26     CAS Registry Number crossover limit increased from 10,000
                         to 300,000 in multiple databases
    NEWS 24   MAR 15     WPIDS/WPIX enhanced with new FRAGHITSTR display format
    NEWS 25   MAR 16     CASREACT coverage extended
    NEWS 26   MAR 20     MARPAT now updated daily
    NEWS 27   MAR 22     LWPI reloaded
    NEWS 28   MAR 30     RDISCLOSURE reloaded with enhancements
    NEWS 29   MAR 30     INPADOCDB will replace INPADOC on STN
    NEWS 30   APR 02     JICST-EPLUS removed from database clusters and STN

    NEWS EXPRESS  NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
                  MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                  AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

    NEWS HOURS    STN Operating Hours Plus Help Desk Availability
    NEWS LOGIN    Welcome Banner and News Items
    NEWS IPC8     For general information regarding STN implementation of IPC 8
    NEWS X25      X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007

=> file registry
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                    ENTRY        SESSION
FULL ESTIMATED COST                                  0.21          0.21

FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    11 APR 2007   HIGHEST RN 929721-97-1
DICTIONARY FILE UPDATES:   11 APR 2007   HIGHEST RN 929721-97-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10-676-391-01.str

```
chain nodes :
9   16   17   18   25   26   27   40   41   42   63   64   65   76   77   78   79   80   81   82   83
84   85
ring nodes :
1    2    3    4    5    6    7    8    10   11   12   13   14   15   19   20   21   22   23   24   28   29   30
31   32   33   34   35   36   37   38   39   43   44   45   46   47   48   49   50   51   52   53   54
55   56   57   58   59   60   61   62   66   67   68   69   70   71   72   73   74   75
chain bonds :
4-9   9-10   12-41   13-17   14-18   15-16   16-19   21-25   22-26   23-27   30-40   35-79
41-42   42-84   42-85   43-83   45-82   50-64   52-63   54-65   61-81   67-80   70-78   73-77
75-76
ring bonds :
1-2   1-6   1-68   2-3   3-4   3-8   4-5   5-6   5-7   7-29   8-28   10-11   10-15   11-12
12-13   13-14   14-15   19-20   19-24   20-21   21-22   22-23   23-24   28-30   28-34   29-35
29-39   30-31   31-32   32-33   32-43   33-34   35-36   36-37   37-38   37-75   38-39   43-44
44-45   44-62   45-46   46-47   47-48   48-49   48-53   49-50   49-55   50-51   51-52   52-53
54-55   54-59   55-56   56-57   57-58   57-60   58-59   60-61   60-66   61-62   66-67   67-68
68-69   69-70   70-71   71-72   72-73   73-74   74-75
exact/norm bonds :
1-68   3-8   4-9   5-7   7-29   8-28   9-10   10-11   10-15   11-12   12-13   13-14   13-17
14-15   14-18   15-16   16-19   19-20   19-24   20-21   21-22   22-23   22-26   23-24   23-27
32-43   37-75   41-42   42-84   42-85   43-44   43-83   44-45   44-62   45-46   45-82   46-47
47-48   49-55   50-64   52-63   54-65   57-60   60-61   60-66   61-62   61-81   66-67   67-68
67-80   68-69   69-70   70-71   70-78   71-72   72-73   73-74   73-77   74-75   75-76
exact bonds :
12-41   21-25   30-40   35-79
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   28-30   28-34   29-35   29-39   30-31   31-32   32-33
33-34   35-36   36-37   37-38   38-39   48-49   48-53   49-50   50-51   51-52   52-53   54-55
54-59   55-56   56-57   57-58   58-59
```

Match level :

```
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:CLASS   10:Atom
11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:CLASS   17:CLASS   18:CLASS   19:Atom
20:Atom   21:Atom   22:Atom   23:Atom   24:Atom   25:CLASS   26:CLASS   27:CLASS   28:Atom
29:Atom   30:Atom   31:Atom   32:Atom   33:Atom   34:Atom   35:Atom   36:Atom   37:Atom
38:Atom   39:Atom   40:CLASS   41:CLASS   42:Atom   43:Atom   44:Atom   45:Atom   46:Atom
47:Atom   48:Atom   49:Atom   50:Atom   51:Atom   52:Atom   53:Atom   54:Atom   55:Atom
56:Atom   57:Atom   58:Atom   59:Atom   60:Atom   61:Atom   62:Atom   63:CLASS   64:CLASS
65:CLASS   66:Atom   67:Atom   68:Atom   69:Atom   70:Atom   71:Atom   72:Atom   73:Atom
74:Atom   75:Atom   76:CLASS   77:CLASS   78:CLASS   79:CLASS   80:CLASS   81:CLASS
82:CLASS   83:CLASS   84:CLASS   85:CLASS
```

```
L1          STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -   AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 15:56:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:             0 TO        0
PROJECTED ANSWERS:                0 TO        0

L2              0 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 15:56:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      20 TO ITERATE

100.0% PROCESSED       20 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

L3              0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\vancomycin core #3.str
```
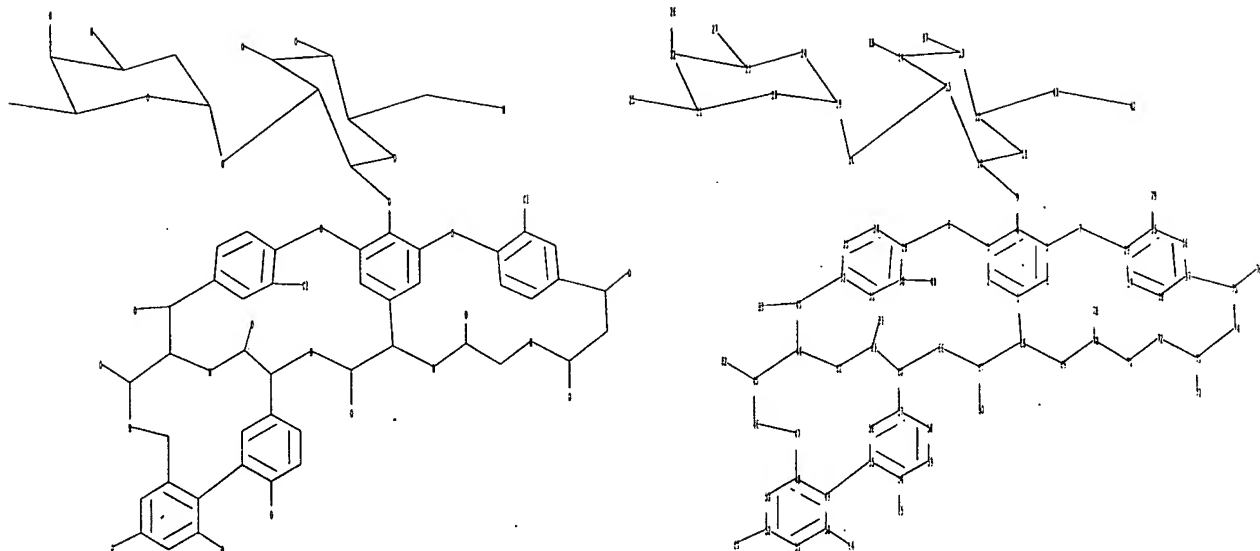
```
chain nodes :
9   16   17   18   25   26   27   40   41   42   63   64   65   76   77   78   79   80   81   82   83
ring nodes :
1    2    3    4    5    6    7    8    10   11   12   13   14   15   19   20   21   22   23   24   28   29   30
31   32   33   34   35   36   37   38   39   43   44   45   46   47   48   49   50   51   52   53   54
55   56   57   58   59   60   61   62   66   67   68   69   70   71   72   73   74   75
chain bonds :
4-9   9-10   12-41   13-17   14-18   15-16   16-19   21-25   22-26   23-27   30-40   35-79
41-42   43-83   45-82   50-64   52-63   54-65   61-81   67-80   70-78   73-77   75-76
ring bonds :
1-2   1-6   1-68   2-3   3-4   3-8   4-5   5-6   5-7   7-29   8-28   10-11   10-15   11-12
12-13   13-14   14-15   19-20   19-24   20-21   21-22   22-23   23-24   28-30   28-34   29-35
29-39   30-31   31-32   32-33   32-43   33-34   35-36   36-37   37-38   37-75   38-39   43-44
44-45   44-62   45-46   46-47   47-48   48-49   48-53   49-50   49-55   50-51   51-52   52-53
54-55   54-59   55-56   56-57   57-58   57-60   58-59   60-61   60-66   61-62   66-67   67-68
68-69   69-70   70-71   71-72   72-73   73-74   74-75
exact/norm bonds :
1-68   3-8   4-9   5-7   7-29   8-28   9-10   10-11   10-15   11-12   12-13   13-14   13-17
14-15   14-18   15-16   16-19   19-20   19-24   20-21   21-22   22-23   22-26   23-24   23-27
32-43   37-75   41-42   43-44   43-83   44-45   44-62   45-46   45-82   46-47   47-48   49-55
50-64   52-63   54-65   57-60   60-61   60-66   61-62   61-81   66-67   67-68   67-80   68-69
69-70   70-71   70-78   71-72   72-73   73-74   73-77   74-75   75-76
exact bonds :
12-41   21-25   30-40   35-79
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   28-30   28-34   29-35   29-39   30-31   31-32   32-33
33-34   35-36   36-37   37-38   38-39   48-49   48-53   49-50   50-51   51-52   52-53   54-55
54-59   55-56   56-57   57-58   58-59


Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:CLASS   10:Atom
11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:CLASS   17:CLASS   18:CLASS   19:Atom
20:Atom   21:Atom   22:Atom   23:Atom   24:Atom   25:CLASS   26:CLASS   27:CLASS   28:Atom
29:Atom   30:Atom   31:Atom   32:Atom   33:Atom   34:Atom   35:Atom   36:Atom   37:Atom
38:Atom   39:Atom   40:CLASS   41:CLASS   42:Atom   43:Atom   44:Atom   45:Atom   46:Atom
47:Atom   48:Atom   49:Atom   50:Atom   51:Atom   52:Atom   53:Atom   54:Atom   55:Atom
```

```
L4        STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4    '          STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l4 sss sam
SAMPLE SEARCH INITIATED 15:57:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       53 TO ITERATE

100.0% PROCESSED      53 ITERATIONS                        12 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        624 TO      1496
PROJECTED ANSWERS:            33 TO       447

L5          12 SEA SSS SAM L4

=> d his

    (FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007)

    FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007
L1              STRUCTURE UPLOADED
L2         0 S L1 SSS SAM
L3         0 S L1 SSS FUL
L4              STRUCTURE UPLOADED
L5        12 S L4 SSS SAM

=> log hold
COST IN U.S. DOLLARS                      SINCE FILE      TOTAL
                                              ENTRY      SESSION
FULL ESTIMATED COST                          173.00      173.21

  SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:57:55 ON 12 APR 2007

Connecting via Winsock to STN




Welcome to STN International!  Enter x:x

LOGINID:ssptafxl1600

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 16:00:38 ON 12 APR 2007
FILE 'REGISTRY' ENTERED AT 16:00:38 ON 12 APR 2007
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COST IN U.S. DOLLARS                      SINCE FILE      TOTAL
                                              ENTRY      SESSION
```

```
=> d his

     (FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007)

     FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007
L1              STRUCTURE UPLOADED
L2         0 S L1 SSS SAM
L3         0 S L1 SSS FUL
L4              STRUCTURE UPLOADED
L5        12 S L4 SSS SAM


=>
Uploading C:\Program Files\Stnexp\Queries\10-676-391-02.str
```



```
chain nodes :
9   16  17  18  25  26  27  40  41  42  63  64  65  76  77  78  79  80  81  82  83
84  85  86
ring nodes :
1   2   3   4   5   6   7   8   10  11  12  13  14  15  19  20  21  22  23  24  28  29  30
31  32  33  34  35  36  37  38  39  43  44  45  46  47  48  49  50  51  52  53  54
55  56  57  58  59  60  61  62  66  67  68  69  70  71  72  73  74  75
chain bonds :
4-9   9-10  12-41  13-17  14-18  15-16  16-19  21-25  22-26  23-27  30-40  35-79
41-42  42-84  43-83  45-82  50-64  52-63  54-65  61-81  67-80  70-78  73-77  75-76
84-85  84-86
ring bonds :
1-2   1-6   1-68   2-3   3-4   3-8   4-5   5-6   5-7   7-29   8-28   10-11   10-15   11-12
12-13  13-14  14-15  19-20  19-24  20-21  21-22  22-23  23-24  28-30  28-34
29-35  29-39  30-31  31-32  32-33  32-43  33-34  35-36  36-37  37-38  37-75  38-39  43-44
44-45  44-62  45-46  46-47  47-48  48-49  48-53  49-50  49-55  50-51  51-52  52-53
54-55  54-59  55-56  56-57  57-58  57-60  58-59  60-61  60-66  61-62  66-67  67-68
68-69  69-70  70-71  71-72  72-73  73-74  74-75
exact/norm bonds :
```

```
1-68   3-8   4-9   5-7   7-29   8-28   9-10   10-11   10-15   11-12   12-13   13-14   13-17
14-15  14-18  15-16  16-19  19-20  19-24  20-21  21-22   22-23   22-26   23-24   23-27
32-43  37-75  41-42  42-84  43-44  43-83  44-45  44-62   45-46   45-82   46-47   47-48
49-55  50-64  52-63  54-65  57-60  60-61  60-66  61-62   61-81   66-67   67-68   67-80
68-69  69-70  70-71  70-78  71-72  72-73  73-74  73-77   74-75   75-76   84-85   84-86
exact bonds :
12-41  21-25  30-40  35-79
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  28-30  28-34  29-35  29-39  30-31  31-32  32-33
33-34  35-36  36-37  37-38  38-39  48-49  48-53  49-50  50-51  51-52  52-53  54-55
54-59  55-56  56-57  57-58  58-59


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:CLASS  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:CLASS  17:CLASS  18:CLASS  19:Atom
20:Atom  21:Atom  22:Atom  23:Atom  24:Atom  25:CLASS  26:CLASS  27:CLASS  28:Atom
29:Atom  30:Atom  31:Atom  32:Atom  33:Atom  34:Atom  35:Atom  36:Atom  37:Atom
38:Atom  39:Atom  40:CLASS  41:CLASS  42:Atom  43:Atom  44:Atom  45:Atom  46:Atom
47:Atom  48:Atom  49:Atom  50:Atom  51:Atom  52:Atom  53:Atom  54:Atom  55:Atom
56:Atom  57:Atom  58:Atom  59:Atom  60:Atom  61:Atom  62:Atom  63:CLASS  64:CLASS
65:CLASS  66:Atom  67:Atom  68:Atom  69:Atom  70:Atom  71:Atom  72:Atom  73:Atom
74:Atom  75:Atom  76:CLASS  77:CLASS  78:CLASS  79:CLASS  80:CLASS  81:CLASS
82:CLASS  83:CLASS  84:CLASS  85:CLASS  86:CLASS



L6        STRUCTURE UPLOADED

=> d l6
L6 HAS NO ANSWERS·
L6              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l6 sss sam
SAMPLE SEARCH INITIATED 16:02:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED         0 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:            0 TO         0
PROJECTED ANSWERS:               0. TO        0

L7              0 SEA SSS SAM L6

=> s l6 sss ful
FULL SEARCH INITIATED 16:02:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       20 TO ITERATE

100.0% PROCESSED        20 ITERATIONS                            13 ANSWERS
SEARCH TIME: 00.00.01

L8             13 SEA SSS FUL L6

=> d l8 1-13

L8   ANSWER 1 OF 13  REGISTRY  COPYRIGHT 2007 ACS on STN
```

Absolute stereochemistry.
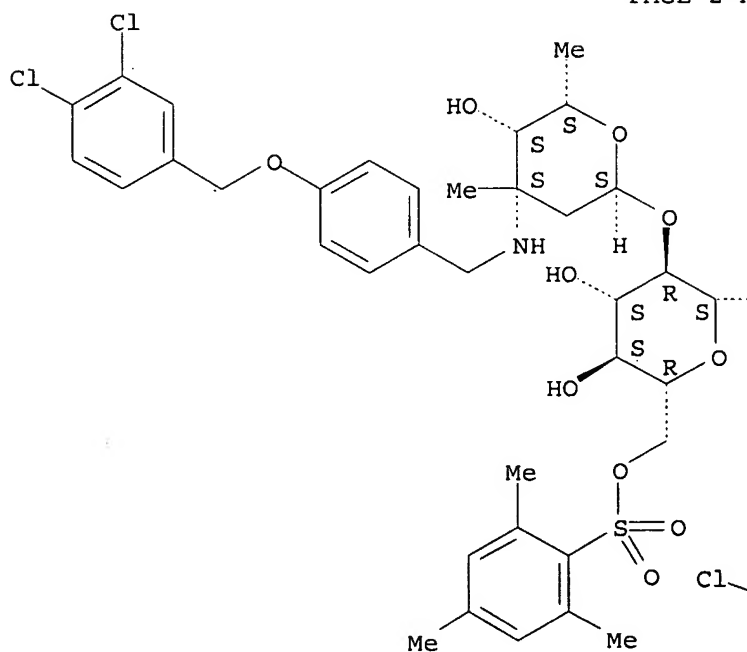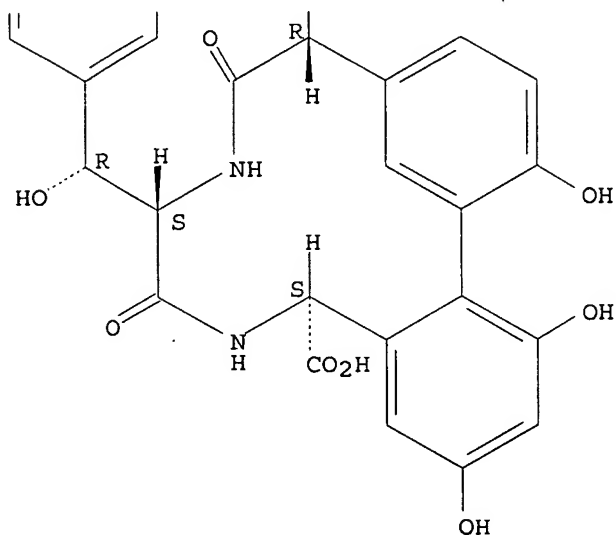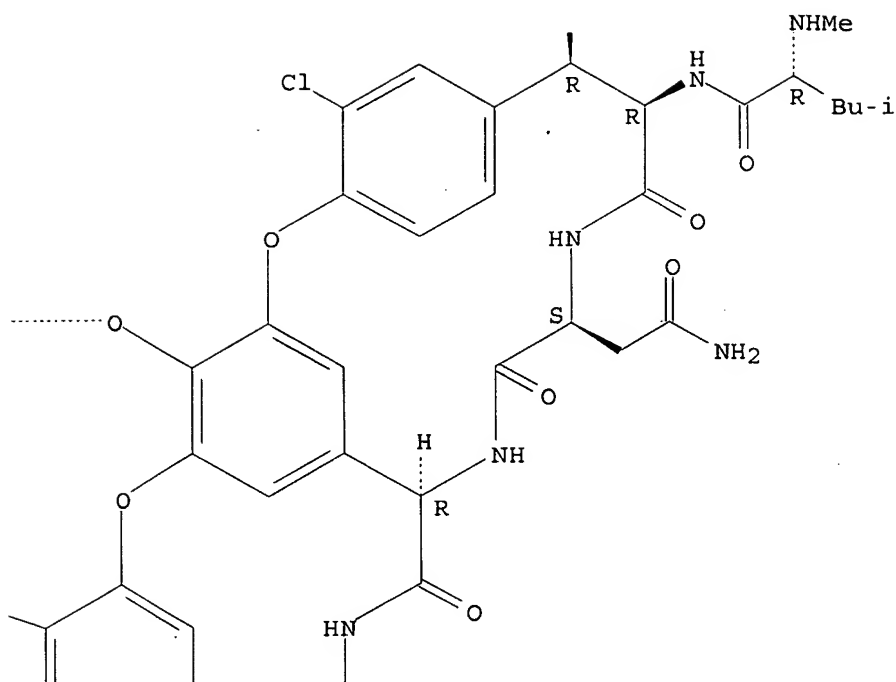
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

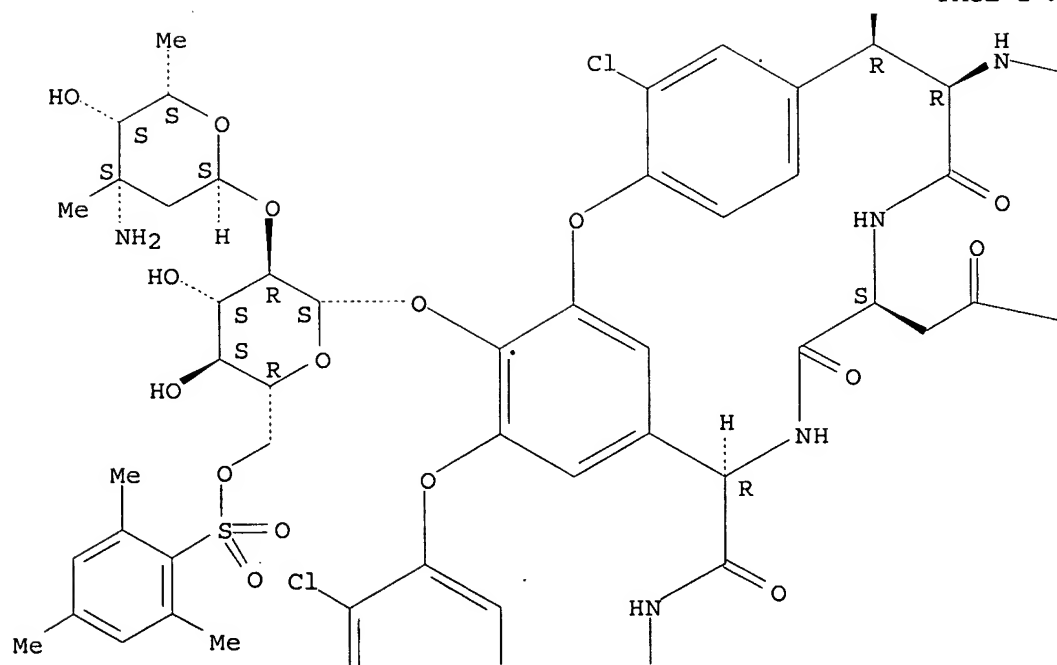1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

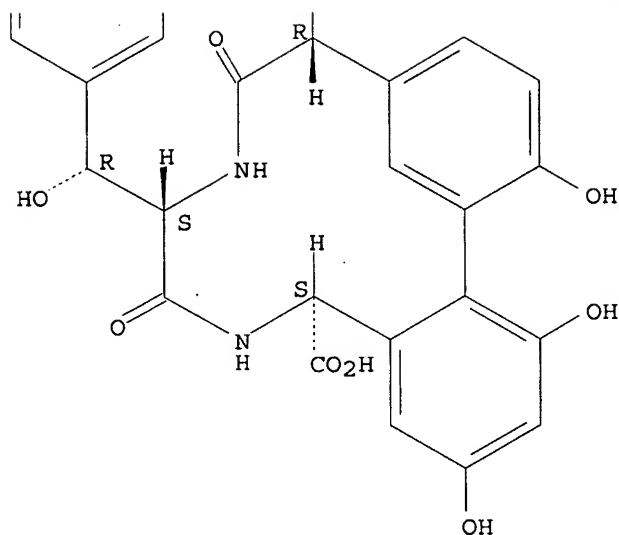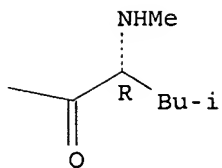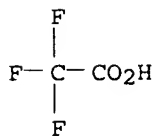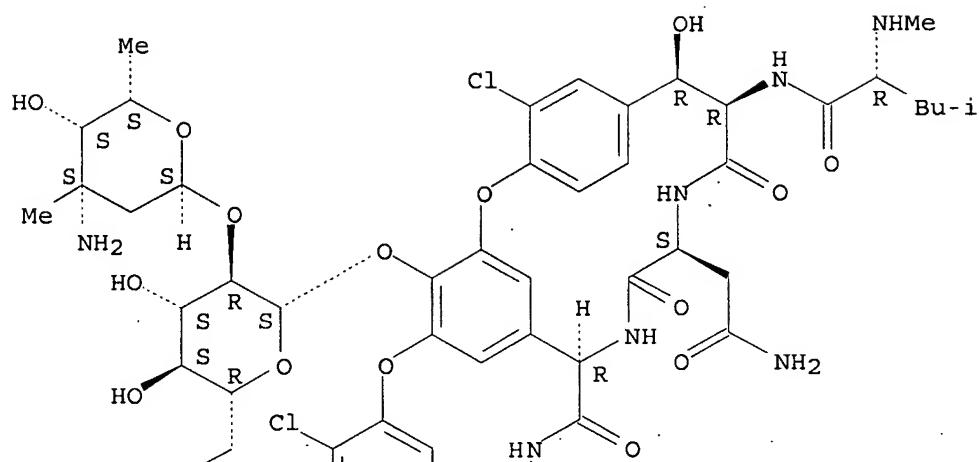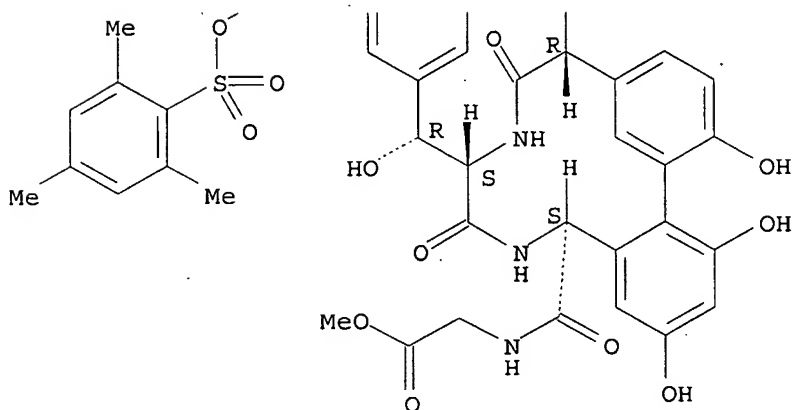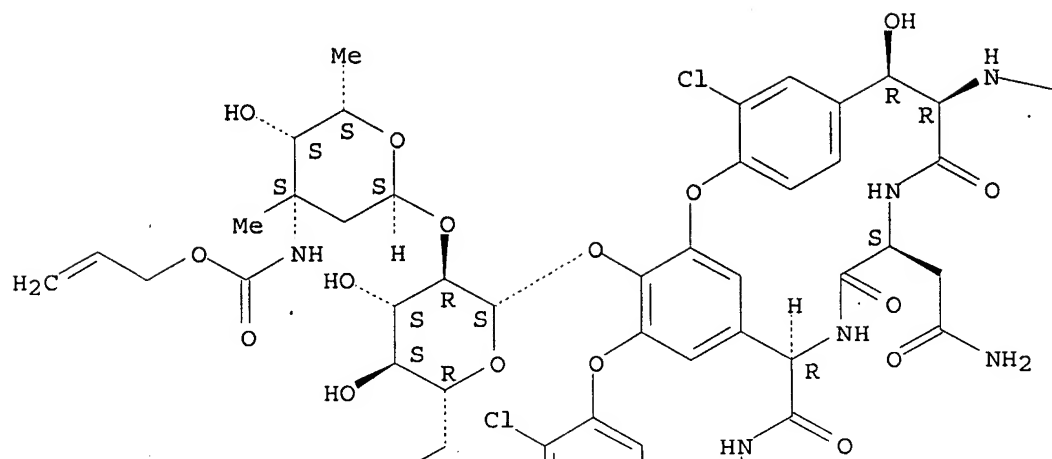L8  ANSWER 2 OF 13  REGISTRY  COPYRIGHT 2007 ACS on STN
RN  256351-09-4  REGISTRY
ED  Entered STN:  17 Feb 2000
CN  Vancomycin, N3'',56-bis[(phenylmethoxy)carbonyl]-, phenylmethyl ester,
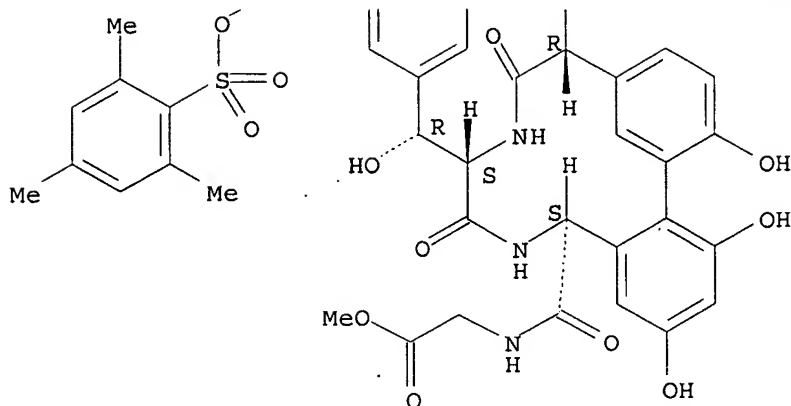    6'-(2,4,6-trimethylbenzenesulfonate) (9CI)  (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B
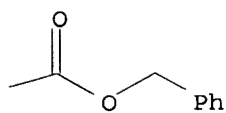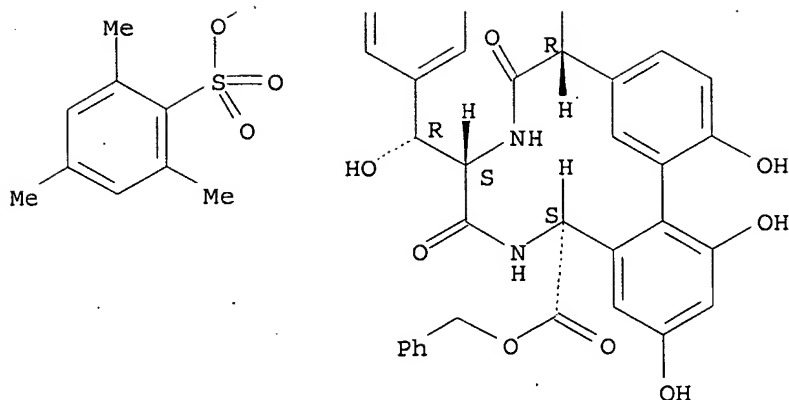
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

        1 REFERENCES IN FILE CA (1907 TO DATE)
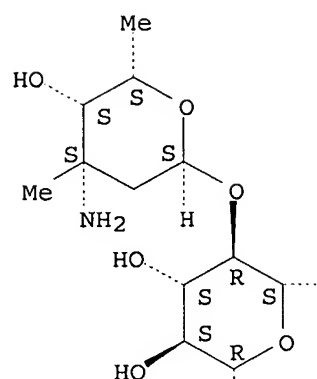        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
L8     ANSWER 3 OF 13  REGISTRY  COPYRIGHT 2007 ACS on STN
RN     256351-08-3  REGISTRY
ED     Entered STN:  17 Feb 2000
CN     Vancomycin, 6'-(2,4,6-trimethylbenzenesulfonate), mono(trifluoroacetate)
       (salt) (9CI)  (CA INDEX NAME)
FS     STEREOSEARCH
MF     C75 H85 Cl2 N9 O26 S . C2 H F3 O2
SR     CA
LC     STN Files:   CA, CAPLUS, CASREACT, USPATFULL

       CM    1

       CRN  256350-16-0
       CMF  C75 H85 Cl2 N9 O26 S
```
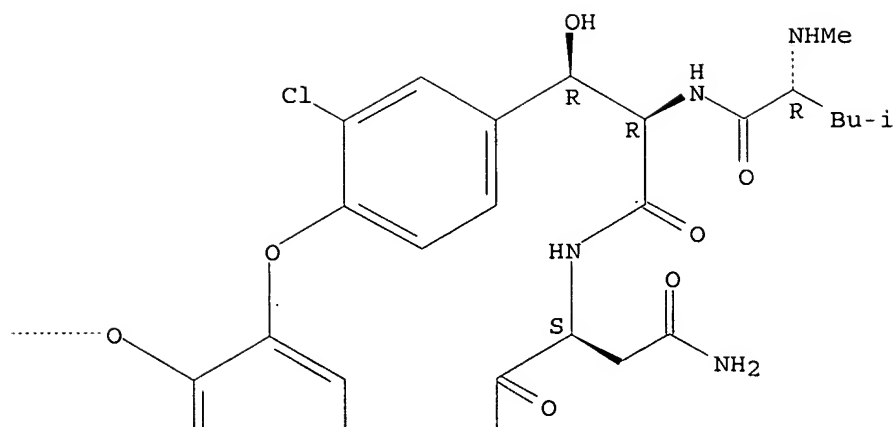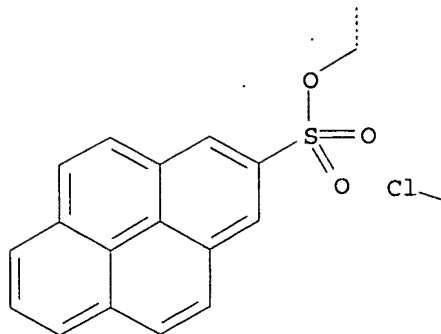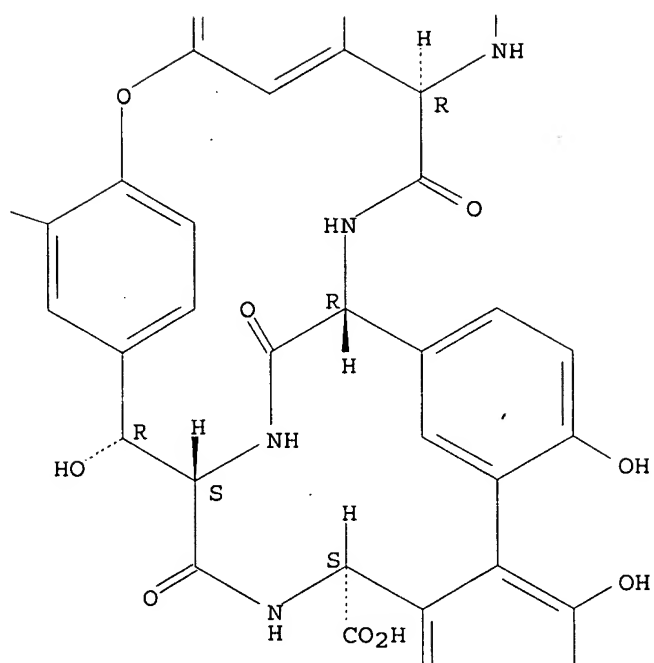
Absolute stereochemistry.

OH

NHMe

R   Bu-i

O

—NH2

R

H

O

HO   R   H

NH

S

H

S

O

N
H   CO2H

OH

OH

OH

CM    2

CRN   76-05-1
CMF   C2 H F3 O2

F
|
F—C—CO2H
|
F

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8    ANSWER 4 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256351-00-5   REGISTRY
ED    Entered STN:  17 Feb 2000
CN    Vancomycin, 26-decarboxy-26-[[(2-methoxy-2-oxoethyl)amino]carbonyl]-,
      6'-(2,4,6-trimethylbenzenesulfonate) (9CI)   (CA INDEX NAME)
FS    STEREOSEARCH
MF    C78 H90 Cl2 N10 O27 S
SR    CA

Absolute stereochemistry.

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

        1 REFERENCES IN FILE CA (1907 TO DATE)
        1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8    ANSWER 5 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256350-95-5   REGISTRY
ED    Entered STN:   17 Feb 2000
CN    Vancomycin, 26-decarboxy-26-[[(2-methoxy-2-oxoethyl)amino]carbonyl]-
      N3'',56-bis[(2-propenyloxy)carbonyl]-, 6'-(2,4,6-
      trimethylbenzenesulfonate) (9CI)   (CA INDEX NAME)
FS    STEREOSEARCH

MF    C86 H98 Cl2 N10 O31 S
SR    CA
LC    STN Files:    CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
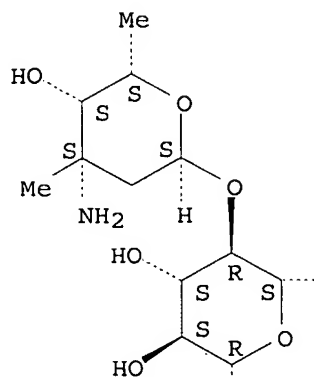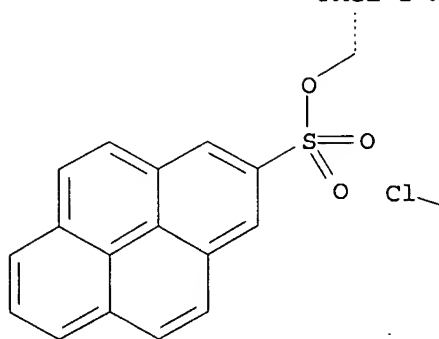
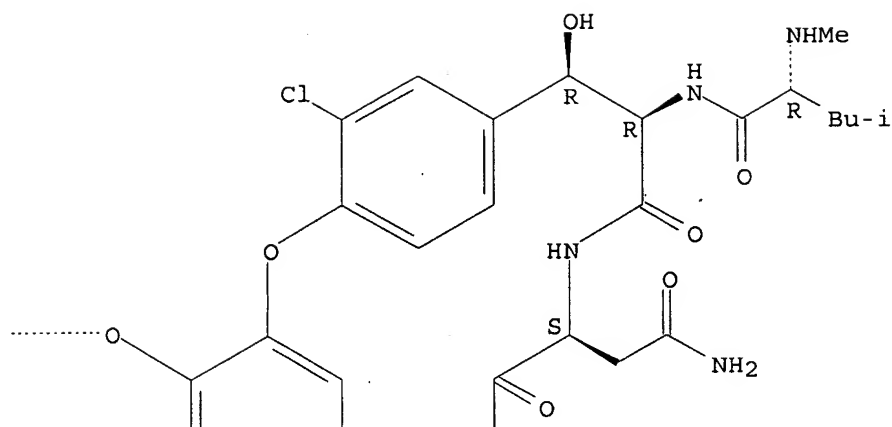       1 REFERENCES IN FILE CA (1907 TO DATE)
       1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8    ANSWER 6 OF 13  REGISTRY  COPYRIGHT 2007 ACS on STN
RN    256350-24-0  REGISTRY
ED    Entered STN:  17 Feb 2000
CN    Vancomycin, 6'-deoxy-6'-[(2-pyrenylsulfonyl)oxy]-, mono(trifluoroacetate)
      (salt) (9CI)  (CA INDEX NAME)
FS    STEREOSEARCH
MF    C82 H83 Cl2 N9 O26 S . C2 H F3 O2
SR    CA
LC    STN Files:  CA, CAPLUS, CASREACT, USPATFULL

    CM   1

    CRN  256350-23-9
    CMF  C82 H83 Cl2 N9 O26 S

Absolute stereochemistry.

CM    2

CRN · 76-05-1
CMF   C2 H F3 O2

F—C—CO2H with F above, F below (trifluoroacetic acid structure)

F
|
F—C—CO2H
|
F
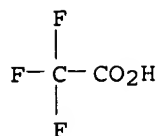
1 REFERENCES IN FILE CA (1907 TO DATE)
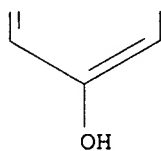          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
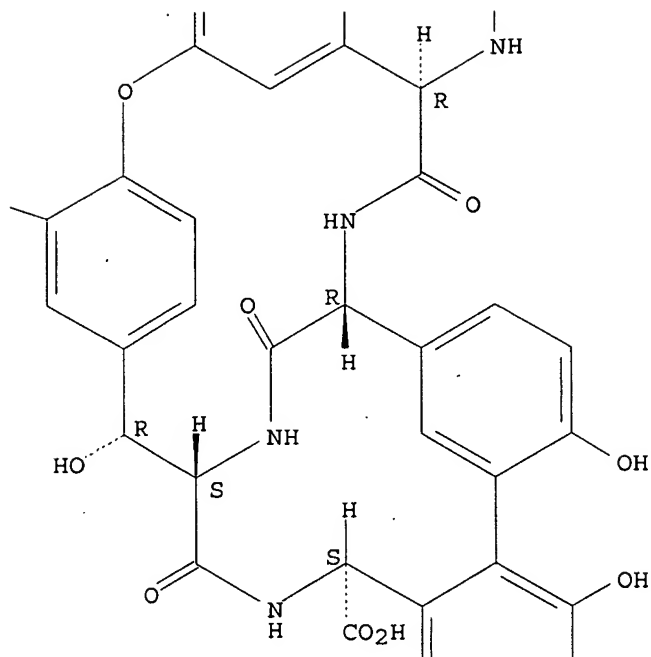
L8    ANSWER 7 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256350-23-9  REGISTRY`
ED    Entered STN:  17 Feb 2000
CN    Vancomycin, 6'-deoxy-6'-[(2-pyrenylsulfonyl)oxy]- (9CI)   (CA INDEX NAME)
FS    STEREOSEARCH
MF    C82 H83 Cl2 N9 O26 S
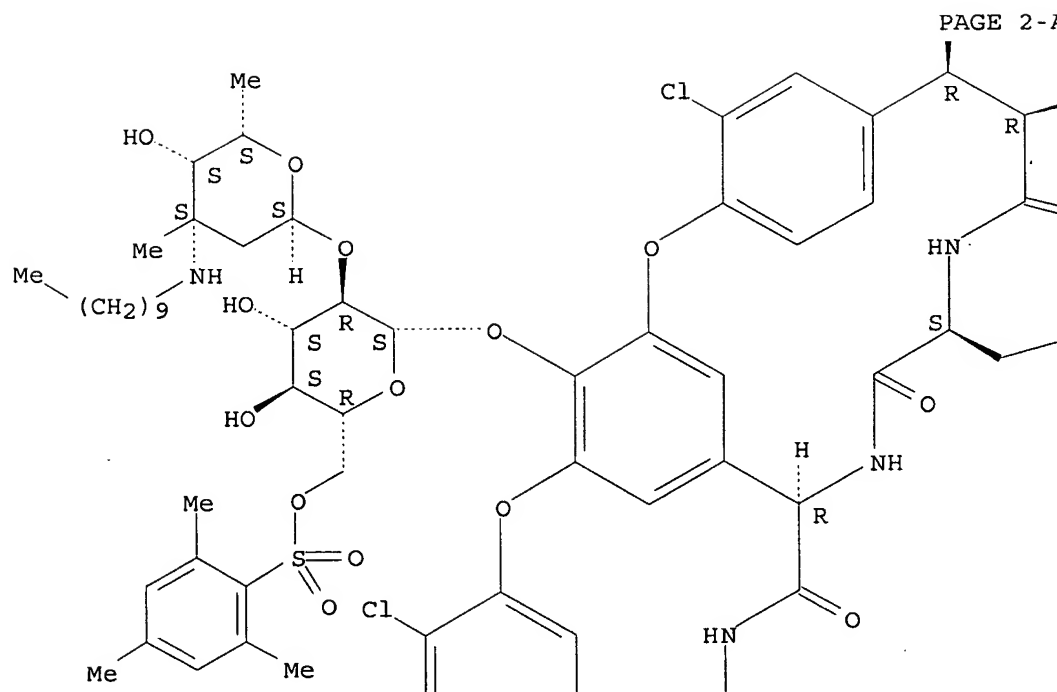CI    COM
SR    CA

Absolute stereochemistry.

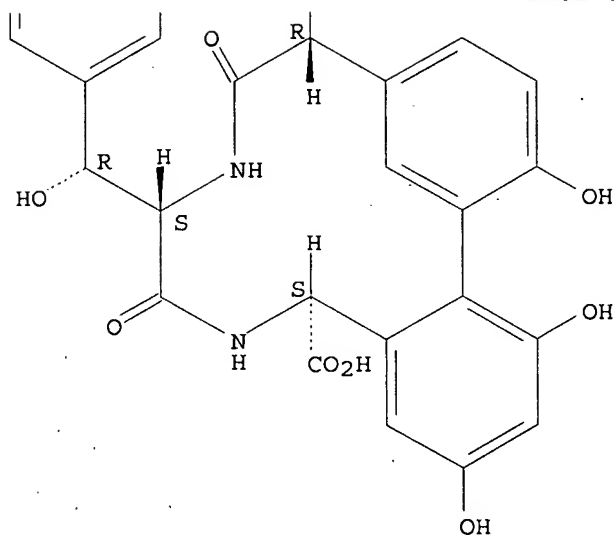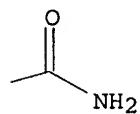**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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L8    ANSWER 8 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256350-20-6  REGISTRY
ED    Entered STN:   17 Feb 2000
CN    Vancomycin, N3''-decyl-6'-deoxy-6'-[[(2,4,6-trimethylphenyl)sulfonyl]oxy]-
      , mono(trifluoroacetate) (salt) (9CI)   (CA INDEX NAME)
FS    STEREOSEARCH
MF    C85 H105 Cl2 N9 O26 S . C2 H F3 O2
SR    CA
LC    STN Files:   CA, CAPLUS, USPATFULL

      CM   1

      CRN  256350-19-3
      CMF  C85 H105 Cl2 N9 O26 S

Absolute stereochemistry.
```

CM    2

CRN   76-05-1
CMF   C2 H F3 O2



1 REFERENCES IN FILE CA (1907 TO DATE)
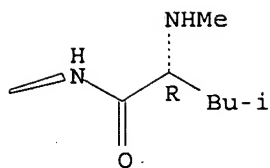1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8    ANSWER 9 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256350-19-3  REGISTRY
ED    Entered STN:   17 Feb 2000
CN    Vancomycin, N3''-decyl-6'-deoxy-6'-[[(2,4,6-trimethylphenyl)sulfonyl]oxy]-
      (9CI)  (CA INDEX NAME)
FS    STEREOSEARCH
MF    C85 H105 Cl2 N9 O26 S
CI    COM

Absolute stereochemistry.

OH

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

```
L8    ANSWER 10 OF 13  REGISTRY  COPYRIGHT 2007 ACS on STN
RN    256350-18-2  REGISTRY
ED    Entered STN:  17 Feb 2000
CN    Vancomycin, N3''-[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-6'-deoxy-6'-
      [[(2,4,6-trimethylphenyl)sulfonyl]oxy]-, mono(trifluoroacetate) (salt)
      (9CI)  (CA INDEX NAME)
FS    STEREOSEARCH
MF    C88 H94 Cl3 N9 O26 S . C2 H F3 O2
SR    CA
LC    STN Files:   CA, CAPLUS, CASREACT, USPATFULL

      CM   1

      CRN  256350-17-1
      CMF  C88 H94 Cl3 N9 O26 S
```
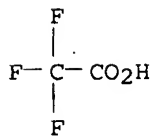
Absolute stereochemistry.
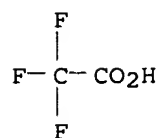
OH

CM    2

CRN   76-05-1
CMF   C2 H F3 O2

L8    ANSWER 11 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256350-17-1  REGISTRY
ED    Entered STN:  17 Feb 2000
CN    Vancomycin, N3''-[(4'-chloro[1,1'-biphenyl]-4-yl)methyl]-6'-deoxy-6'-
      [[(2,4,6-trimethylphenyl)sulfonyl]oxy]- (9CI)   (CA INDEX NAME)
FS    STEREOSEARCH
MF    C88 H94 Cl3 N9 O26 S
CI    COM
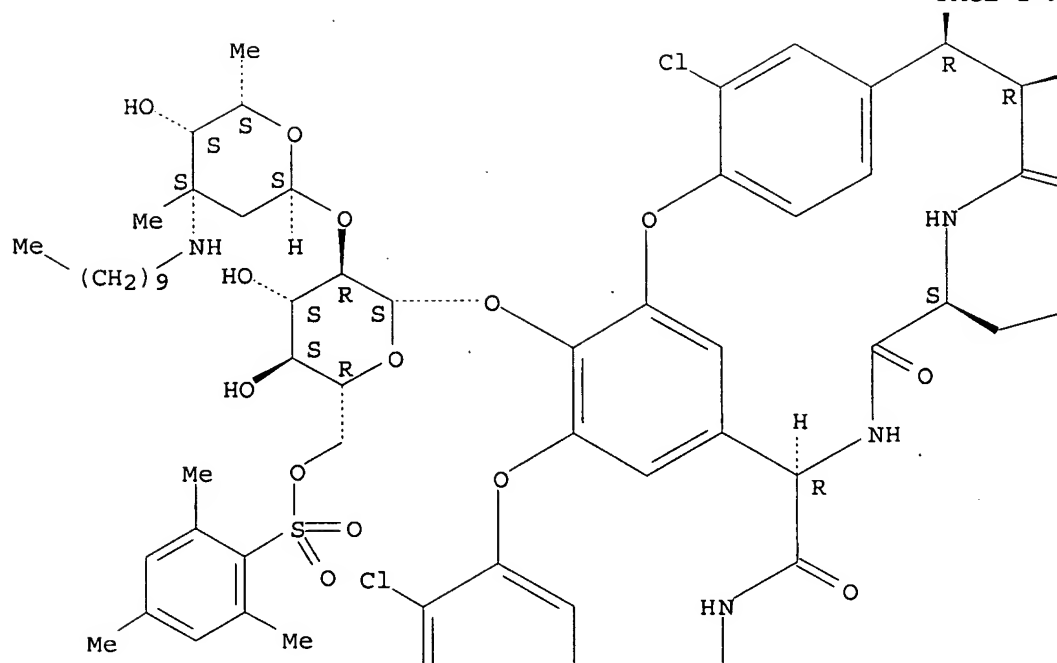SR    CA
LC    STN Files:   CA, CAPLUS, USPAT2, USPATFULL
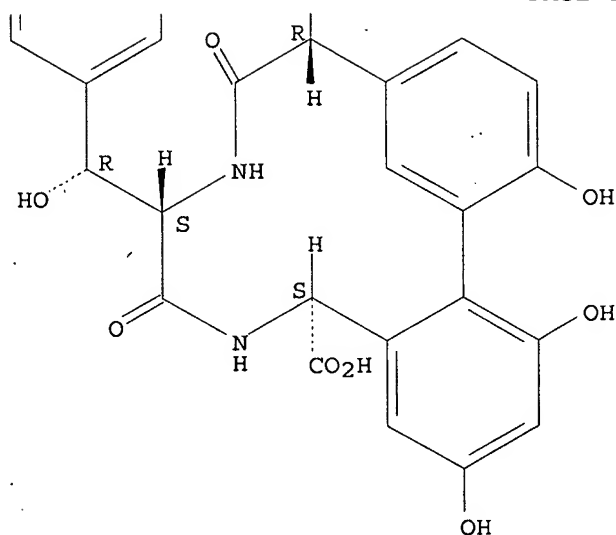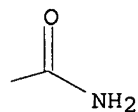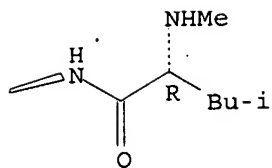
Absolute stereochemistry.


                                                        PAGE 1-B
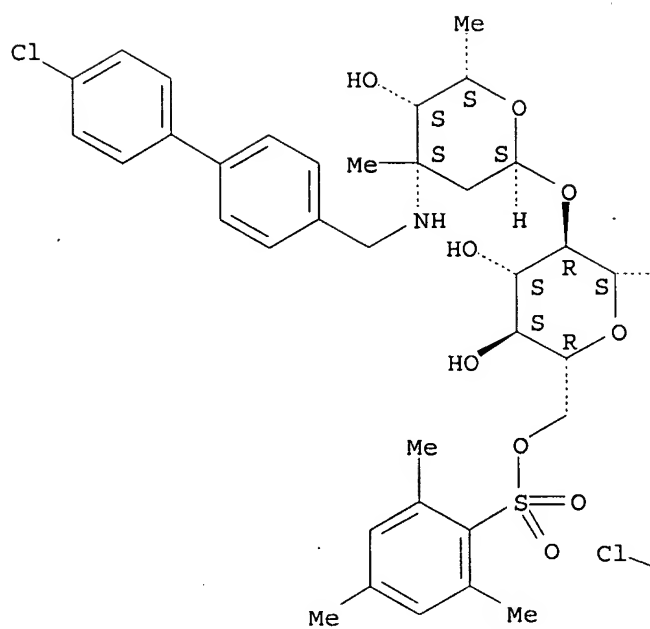
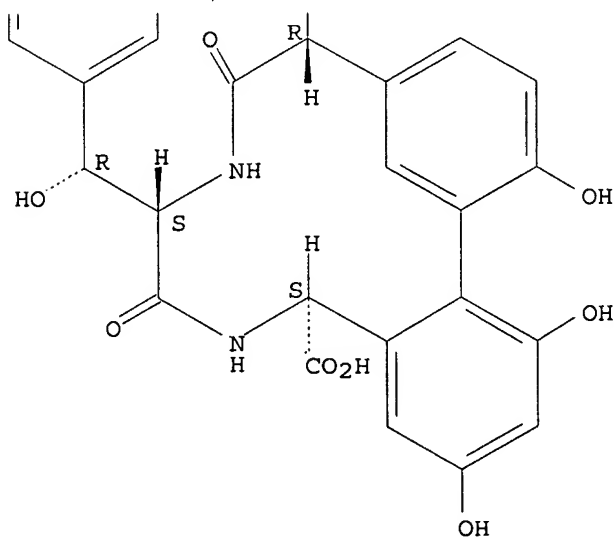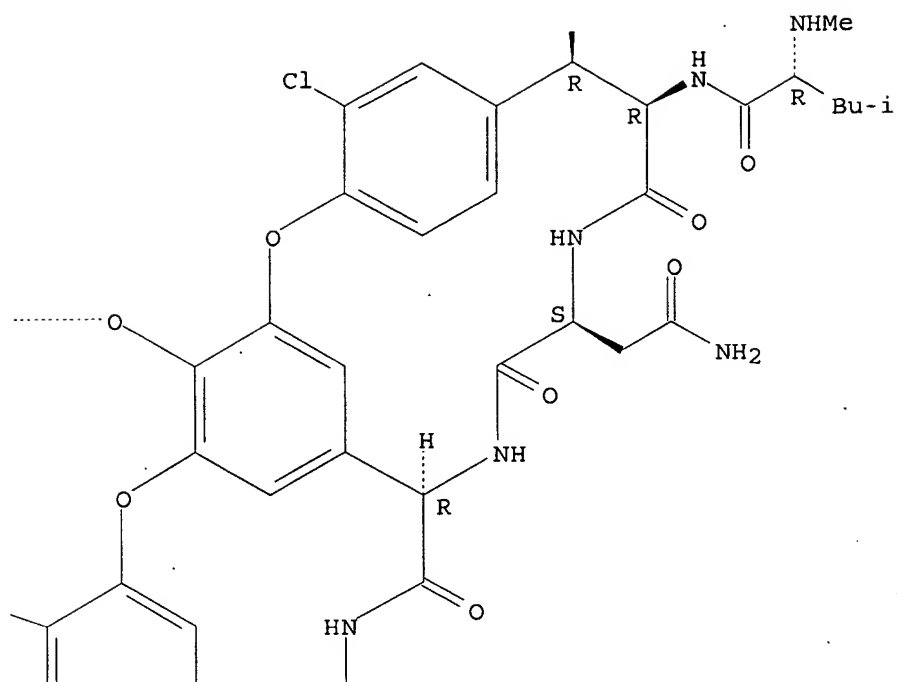
                                    OH
                                    ‖
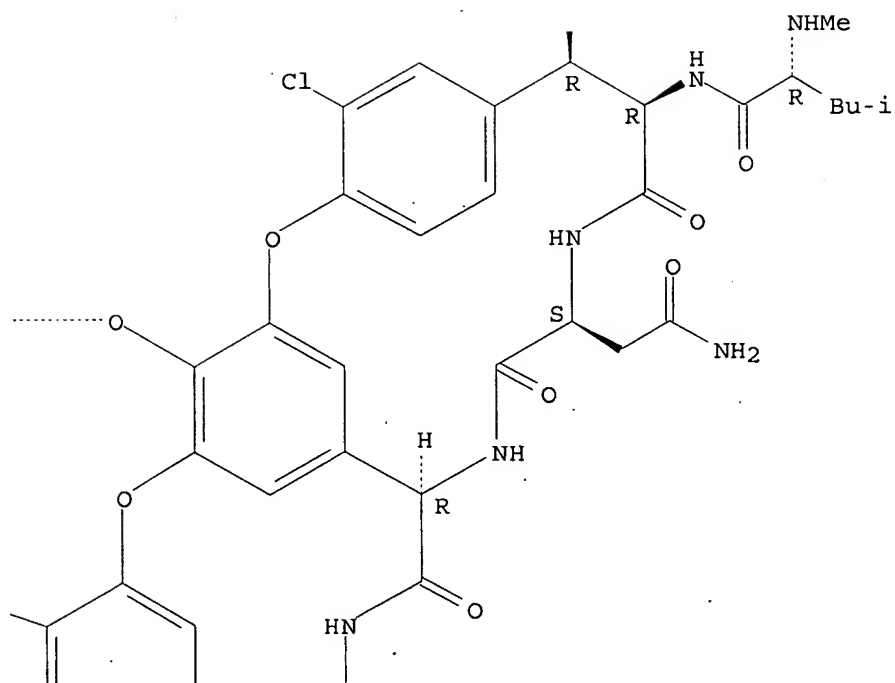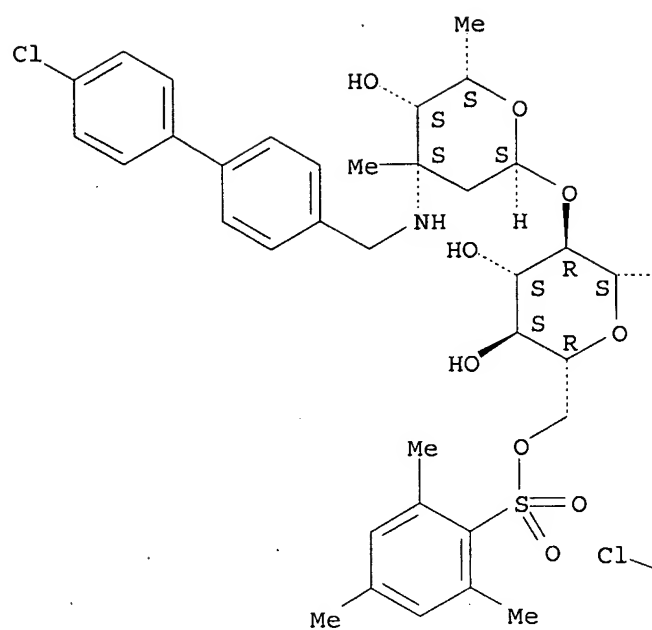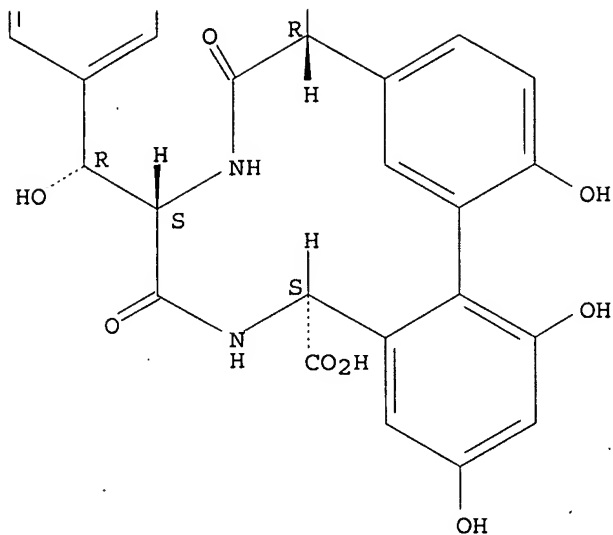
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

          2 REFERENCES IN FILE CA (1907 TO DATE)
          2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8    ANSWER 12 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256350-16-0   REGISTRY
ED    Entered STN:   17 Feb 2000
CN    Vancomycin, 6'-deoxy-6'-[[(2,4,6-trimethylphenyl)sulfonyl]oxy]- (9CI)   (CA
      INDEX NAME)
FS    STEREOSEARCH
MF    C75 H85 Cl2 N9 O26 S
CI    COM
SR    CA
LC    STN Files:   CA, CAPLUS, CASREACT, USPAT2, USPATFULL

Absolute stereochemistry.

OH
‖
O

NHMe

R

Bu-i

O

—NH2

R

H

O

HO

R

H

NH

S

H

S

OH

O

N
H

CO2H

OH

OH

OH
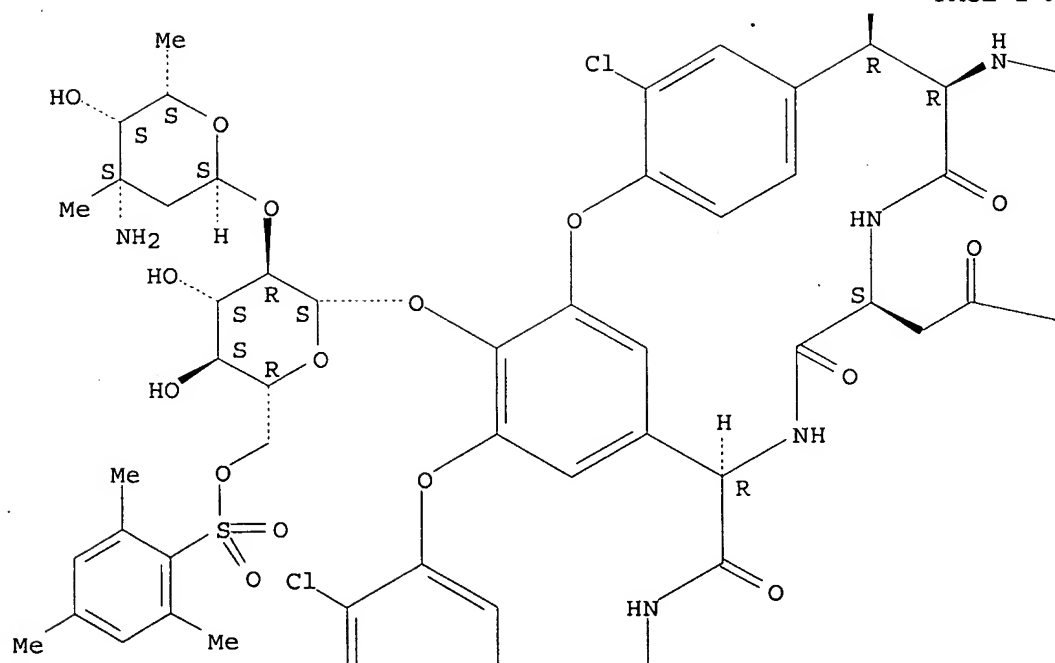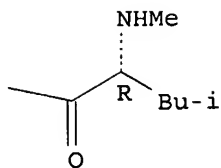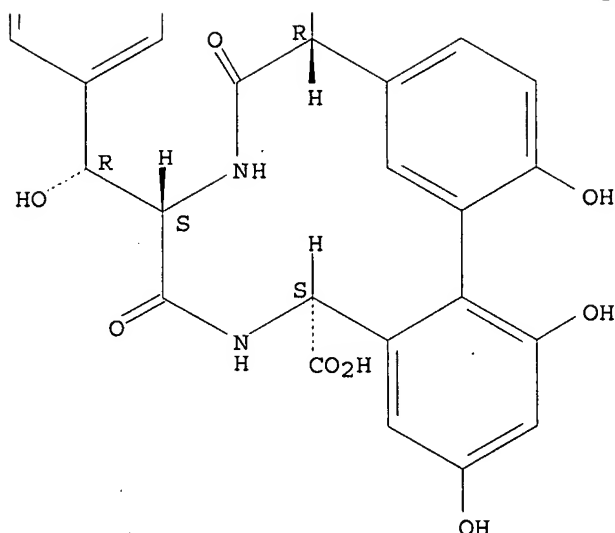
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8    ANSWER 13 OF 13   REGISTRY   COPYRIGHT 2007 ACS on STN
RN    256349-88-9   REGISTRY
ED    Entered STN:   17 Feb 2000
CN    Vancomycin, N3'',56-bis[(2-propenyloxy)carbonyl]-, 2-propenyl ester,
      6'-(2,4,6-trimethylbenzenesulfonate) (9CI)   (CA INDEX NAME)
FS    STEREOSEARCH
MF    C86 H97 Cl2 N9 O30 S
SR    CA
LC    STN Files:   CA, CAPLUS, CASREACT, USPAT2, USPATFULL

Absolute stereochemistry.
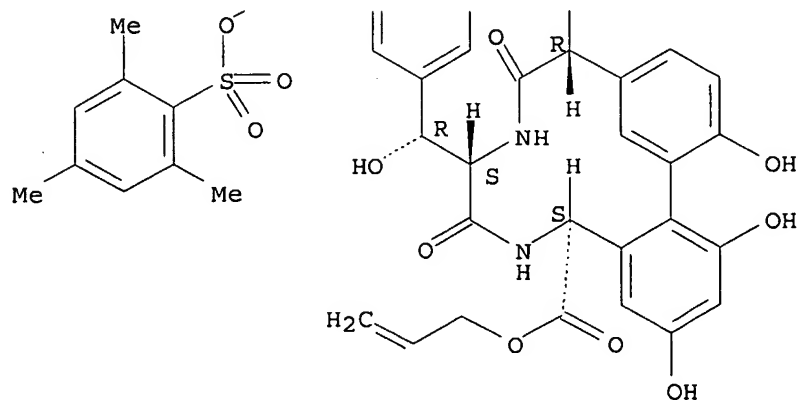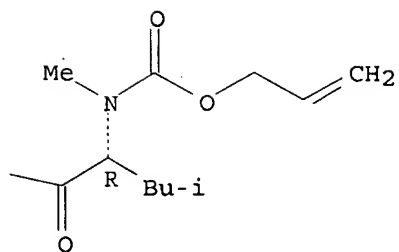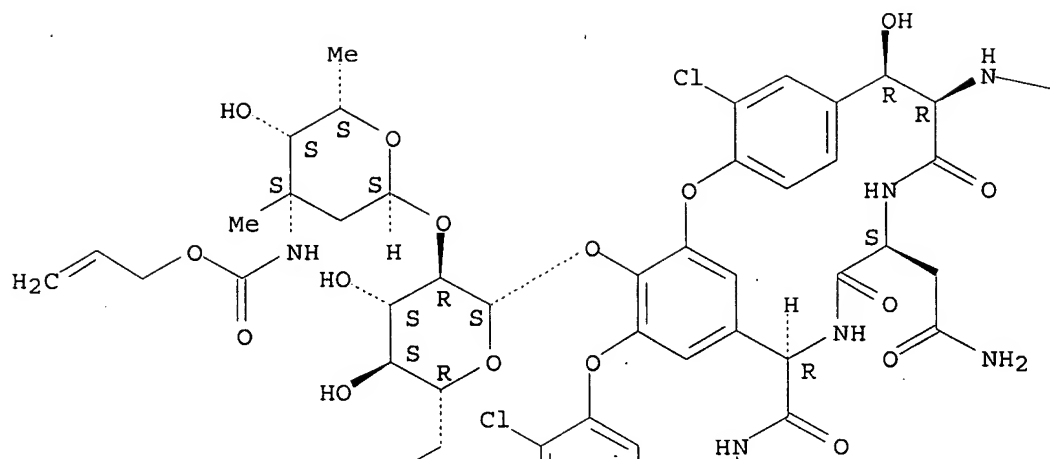
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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

              3 REFERENCES IN FILE CA (1907 TO DATE)
              3 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> d his

     (FILE 'HOME' ENTERED AT 15:55:45 ON 12 APR 2007)


     FILE 'REGISTRY' ENTERED AT 15:55:53 ON 12 APR 2007
L1              STRUCTURE UPLOADED
L2          0 S L1 SSS SAM
L3          0 S L1 SSS FUL
L4              STRUCTURE UPLOADED
L5         12 S L4 SSS SAM
L6              STRUCTURE UPLOADED
L7          0 S L6 SSS SAM
L8         13 S L6 SSS FUL


=> file uspatfull caplus
COST IN U.S. DOLLARS                          SINCE FILE       TOTAL
                                                ENTRY         SESSION
FULL ESTIMATED COST                            374.95         375.16

FILE 'USPATFULL' ENTERED AT 16:07:16 ON 12 APR 2007
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=> s l13
L13 NOT FOUND
The L-number entered has not been defined in this session, or it
has been deleted.  To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).


=> s l8
L9              8 L8


=> dup rem l9
PROCESSING COMPLETED FOR L9
L10             8 DUP REM L9 (0 DUPLICATES REMOVED)


=> d l10 bib ab 1-8


L10   ANSWER 1 OF 8   USPATFULL on STN
AN      2005:88018   USPATFULL
TI      Glycopeptide antibiotics, combinatorial libraries of glycopeptide
        antibiotics and methods of producing same
IN      Kahne, Daniel, Princeton, NJ, UNITED STATES
        Kerns, Robert, Troy, MI, UNITED STATES
        Fukuzawa, Seketsu, Tokyo, JAPAN
        Ge, Min, Princeton, NJ, UNITED STATES
        Thompson, Christopher, Milford, MA, UNITED STATES
PA      Trustees of Princeton University (U.S. corporation)
PI      US 2005075483      A1   20050407
AI      US 2003-676391     A1   20031001 (10)
RLI     Division of Ser. No. US 1999-353368, filed on 14 Jul 1999, GRANTED, Pat.
        No. US 6710168
PRAI    US 1999-134839P      19990519 (60)
DT      Utility
```

AB       A glycopeptide of the formula A.sub.1-A.sub.2-A.sub.3-A.sub.4-A.sub.5-
         A.sub.6-A.sub.7, in which each dash represents a covalent bond; wherein
         A.sub.1 comprises a modified or unmodified α-amino acid residue,
         alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic,
         heterocyclic-carbonyl, heterocyclic-alkyl, heterocyclic-alkyl-carbonyl,
         alkylsulfonyl, arylsulfonyl, guanidinyl, carbamoyl, or xanthyl; wherein
         each of A.sub.2 to A.sub.7 comprises a modified or unmodified
         α-amino acid residue, whereby (i) A.sub.1 is linked to an amino
         group on A.sub.2, (ii) each of A.sub.2, A.sub.4 and A.sub.6 bears an
         aromatic side chain, which aromatic side chains are cross-linked
         together by two or more covalent bonds, and (iii) A.sub.7 bears a
         terminal carboxyl, ester, amide, or N-substituted amide group;

         and wherein one or more of A.sub.1 to A.sub.7 is linked via a glycosidic
         bond to one or more glycosidic groups each having one or more sugar
         residues, at least one of the sugar residues bearing one or more
         substituents of the formula YXR, N.sup.+(R.sub.1).dbd.CR.sub.2R.sub.3,
         N.dbd.PR.sub.1R.sub.2R.sub.3, N.sup.+R.sub.1R.sub.2R.sub.3 or
         P.sup.+R.sub.1R.sub.2R.sub.3 in which Y is a single bond, O, NR.sub.1 or
         S; X is O, NR.sub.1, S, SO.sub.2, C(O)O, C(O)S, C(S)O, C(S)S,
         C(NR.sub.1)O, C(O)NR.sub.1, or halo (in which case Y and R are absent).

         A chemical library comprising a plurality of the glycopeptides of the
         invention.

         A method for preparing a glycopeptide by glycosylation of an aglycone
         derived from a glycopeptide antibiotic.

         A method for preparing a glycopeptide by preparing a pseudoaglycone from
         a glycopeptide antibiotic and glycosylating the pseudoaglycone.

L10   ANSWER 2 OF 8   USPATFULL on STN
AN       2004:139596   USPATFULL
TI       Glycopeptide antibiotics, combinatorial libraries of glycopeptide
         antibiotics and methods of producing same
IN       Kahne, Daniel, Princeton, NJ, UNITED STATES
         Kerns, Robert, Troy, MI, UNITED STATES
         Fukuzawa, Seketsu, Tokyo, JAPAN
         Ge, Min, Princeton, NJ, UNITED STATES
         Thompson, Christopher, Milford, MA, UNITED STATES
PI       US 2004106772        A1   20040603
AI       US 2003-631883       A1   20030731 (10)
RLI      Division of Ser. No. US 1999-353368, filed on 14 Jul 1999, GRANTED, Pat.
         No. US 6710168
PRAI     US 1999-134839P        19990519 (60)
DT       Utility
FS       APPLICATION
LREP     WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR, 1650 MARKET
         STREET, PHILADELPHIA, PA, 19103
CLMN     Number of Claims: 116
ECL      Exemplary Claim: 1
DRWN     26 Drawing Page(s)
LN.CNT 4343
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB       A glycopeptide of the formula A.sub.1-A.sub.2-A.sub.3-A.sub.4-A.sub.5-
         A.sub.6-A.sub.7, in which each dash represents a covalent bond; wherein
         A.sub.1 comprises a modified or unmodified α-amino acid residue,

alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclic,
heterocyclic-carbonyl, heterocyclic-alkyl, heterocyclic-alkyl-carbonyl,
alkylsulfonyl, arylsulfonyl, guanidinyl, carbamoyl, or xanthyl; wherein
each of A.sub.2 to A.sub.7 comprises a modified or unmodified
α-amino acid residue, whereby (i) A.sub.1 is linked to an amino
group on A.sub.2, (ii) each of A.sub.2, A.sub.4 and A.sub.6 bears an
aromatic side chain, which aromatic side chains are cross-linked
together by two or more covalent bonds, and (iii) A.sub.7 bears a
terminal carboxyl, ester, amide, or N-substituted amide group;

and wherein one or more of A.sub.1 to A.sub.7 is linked via a glycosidic
bond to one or more glycosidic groups each having one or more sugar
residues, at least one of the sugar residues bearing one or more
substituents of the formula YXR, N.sup.+(R.sub.1)=CR.sub.2R.sub.3,
N=PR.sub.1R.sub.2R.sub.3, N.sup.+R.sub.1R.sub.2R.sub.3 or
P.sup.+R.sub.1R.sub.2R.sub.3 in which Y is a single bond, O, NR, or S; X
is O, NR.sub.1, S, SO.sub.2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR.sub.1)O,
C(O)NR.sub.1, or halo (in which case Y and R are absent).

A chemical library comprising a plurality of the glycopeptides of the
invention.

A method for preparing a glycopeptide by glycosylation of an aglycone
derived from a glycopeptide antibiotic.

A method for preparing a glycopeptide by preparing a pseudoaglycone from
a glycopeptide antibiotic and glycosylating the pseudoaglycone.

L10   ANSWER 3 OF 8   USPATFULL on STN
AN      2004:72659   USPATFULL
TI      Glycopeptide antibiotics, combinatorial libraries of glycopeptide
        antibiotics and methods of producing same
IN      Kahne, Daniel, Princeton, NJ, United States
        Kerns, Robert, Troy, MI, United States
        Fukuzawa, Seketsu, Tokyo, JAPAN
        Ge, Min, Prineton, NJ, United States
        Thompson, Christopher, Milford, MA, United States
PA      The Trustees of the University of Princeton, Princeton, NJ, United
        States (U.S. corporation)
PI      US 6710168          B1   20040323
AI      US 1999-353368          19990714 (9)
PRAI    US 1999-134839P     19990519 (60)
DT      Utility
FS      GRANTED
EXNAM   Primary Examiner: Celsa, Bennett
LREP    Woodcock Washburn LLP
CLMN    Number of Claims: 20
ECL     Exemplary Claim: 1
DRWN    26 Drawing Figure(s); 26 Drawing Page(s)
LN.CNT 4017
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      A glycopeptide of the formula A.sub.1--A.sub.2--A.sub.3--A.sub.4--
        A.sub.5--A.sub.6--A.sub.7, in which each dash represents a covalent
        bond; wherein A.sub.1 comprises a modified or unmodified α-amino
        acid residue, alkyl, aryl, aralkyl, alkanoyl, aroyl, aralkanoyl,
        heterocyclic, heterocyclic-carbonyl, heterocyclic-alkyl,
        heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, guanidinyl,
        carbamoyl, or xanthyl; wherein each of A.sub.2 to A.sub.7 comprises a
        modified or unmodified α-amino acid residue, whereby (i) A.sub.1
        is linked to an amino group on A.sub.2, (ii) each of A.sub.2, A.sub.4
        and A.sub.6 bears an aromatic side chain, which aromatic side chains are
        cross-linked together by two or more covalent bonds, and (iii) A.sub.7
        bears a terminal carboxyl, ester, amide, or N-substituted amide group;

        and wherein one or more of A.sub.1 to A.sub.7 is linked via a glycosidic

bond to one or more glycosidic groups each having one or more sugar residues, at least one of the sugar residues bearing one or more substituents of the formula YXR, N.sup.+(R.sub.1).dbd.CR.sub.2R.sub.3, N.dbd.PR.sub.1R.sub.2R.sub.3, N.sup.+R.sub.1R.sub.2R.sub.3 or P.sup.+R.sub.1R.sub.2R.sub.3 in which Y is a single bond, O, NR.sub.1 or S; X is O, NR.sub.1, S, SO.sub.2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR.sub.1)O, C(O)NR.sub.1, or halo (in which case Y and R are absent).

A chemical library comprising a plurality of the glycopeptides of the invention.

A method for preparing a glycopeptide by glycosylation of an aglycone derived from a glycopeptide antibiotic.

A method for preparing a glycopeptide by preparing a pseudoaglycone from a glycopeptide antibiotic and glycosylating the pseudoaglycone.

AN      2003:319226  USPATFULL
TI      Glycopeptide antibacterial compounds, compositions containing same and methods of using same
IN      Kim, Ronald M., Hoboken, NJ, UNITED STATES
        Kahne, Daniel E., Princeton, NJ, UNITED STATES
        Chapman, Kevin T., Scotch Plains, NJ, UNITED STATES
PA      Princeton University, Princeton, NJ, UNITED STATES (U.S. corporation)
PI      US 2003224975        A1   20031204
        US 6841661           B2   20050111
AI      US 2002-262858       A1   20021003 (10)
RLI     Continuation of Ser. No. US 2000-574225, filed on 19 May 2000, GRANTED, Pat. No. US 6498238
PRAI    US 1999-134841P      19990519 (60)
DT      Utility
FS      APPLICATION
LREP    Robert L. Price, McDermott, Will & Emery, 600 13th Street, N.W., Washington, DC, 20005-3096
CLMN    Number of Claims: 47
ECL     Exemplary Claim: 1
DRWN    No Drawings
LN.CNT 1877
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      The present invention relates to vancomycin analogs in which the vancosamine residue is substituted with a lipid-like substituent that includes a first aryl moiety and a second aryl moiety joined together by a flexible linker moiety, that is not a single bond directly joining the first aryl moiety and the second aryl moiety, and a glucose C-6 substituent modified to be other than the naturally occurring hydroxyl group, or pharmaceutically acceptable salts thereof.

AN      2002:340371  USPATFULL
TI      Glycopeptide antibacterial compounds, compositions containing same and methods of using same
IN      Kim, Ronald M., Hoboken, NJ, United States
        Kahne, Daniel E., Princeton, NJ, United States
        Chapman, Kevin T., Scotch Plains, NJ, United States
PA      Princeton University, Princeton, NJ, United States (U.S. corporation)
PI      US 6498238           B1   20021224
AI      US 2000-574225            20000519 (9)
PRAI    US 1999-134841P      19990519 (60)
DT      Utility
FS      GRANTED
EXNAM   Primary Examiner: Riley, Jezia
LREP    McDermott, Will & Emery
CLMN    Number of Claims: 47
ECL     Exemplary Claim: 1

DRWN    0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 1575
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB       The present invention relates to vancomycin analogs in which the
         vancosamine residue is substituted with a lipid-like substituent that
         includes a first aryl moiety and a second aryl moiety joined together by
         a flexible linker moiety, that is not a single bond directly joining the
         first aryl moiety and the second aryl moiety, and a glucose C-6
         substituent modified to be other than the naturally occurring hydroxyl
         group, or pharmaceutically acceptable salts thereof.


L10   ANSWER 6 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
AN    2001:798248  CAPLUS
DN    135:331681
TI    Preparation of glycopeptide vancomycin analogs as antibacterial agents
IN    Kahne, Daniel; Walker, Suzanne
PA    Trustees of Princeton University, USA
SO    PCT Int. Appl., 68 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 2

|       | PATENT NO.        | KIND | DATE     | APPLICATION NO.     | DATE     |
|-------|-------------------|------|----------|---------------------|----------|
| PI    | WO 2001081372     | A2   | 20011101 | WO 2001-US11040     | 20010405 |
|       | WO 2001081372     | A3   | 20020516 |                     |          |

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             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

|       | PATENT NO.        | KIND | DATE     | APPLICATION NO.     | DATE     |
|-------|-------------------|------|----------|---------------------|----------|
|       | US 2002042365     | A1   | 20020411 | US 2001-818787      | 20010328 |
|       | US 6699836        | B2   | 20040302 |                     |          |
|       | AU 2001051321     | A5   | 20011107 | AU 2001-51321       | 20010405 |
| PRAI  | US 2000-199382P   | P    | 20000425 |                     |          |
|       | US 2001-818787    | A    | 20010328 |                     |          |
|       | US 1999-127516P   | P    | 19990402 |                     |          |
|       | WO 2001-US11040   | W    | 20010405 |                     |          |

OS    MARPAT 135:331681
AB    Antibacterial glycopeptide vancomycin analogs I bearing optional
      modifications to the C6 position of the glucose residue attached to the
      amino acid four of the vancomycin heptapeptide chain, wherein X is O, S,
      substituted amine; R is H, substituted alkyl, aryl, aralkyl, alkanoyl,
      aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl,
      heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl, aminoalkyl; R1
      and R2 are independently substituted alkyl, aryl, aralkyl, alkanoyl,
      aroyl, aralkanoyl, heterocyclic, heterocyclic-carbonyl,
      heterocyclic-alkyl-carbonyl, alkylsulfonyl, arylsulfonyl; substituted
      alkyl, acyl, CHO; Z is N3, functionalized O, N, S atoms; are disclosed.
      Methods of making the compds. and methods of using the compds. to treat a
      bacterial infection in a host are also disclosed.  Thus, I [ X = NH, Z =
      OH, R = CH2CH2CH2CH2NH2, R1 = H, R2 = 4-[(3,4-
      dichlorophenyl)methoxy]benzyl] was prepared and tested in vitro for their
      antibacterial activity (MIC = 0.25-6.25 μg/mL).


L10   ANSWER 7 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
AN    2000:824286  CAPLUS
DN    134:5162
TI    Preparation of glycopeptides as antibacterial agents
IN    Kim, Ronald M.; Kahne, Daniel E.; Chapman, Kevin T.
PA    Merck & Co., Inc., USA; Princeton University

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI  WO 2000069893 | A1 | 20001123 | WO 2000-US13751 | 20000519 |

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          MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
          SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM,
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          CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

| | | | | |
|---|---|---|---|---|
| US 6498238 | B1 | 20021224 | US 2000-574225 | 20000519 |
| US 2003224975 | A1 | 20031204 | US 2002-262858 | 20021003 |
| US 6841661 | B2 | 20050111 | | |
| PRAI US 1999-134841P | P | 19990519 | | |
| US 2000-574225 | A1 | 20000519 | | |

OS    MARPAT 134:5162

AB    Glycopeptides I [R is a polar substituent; K-Ar1-Z-Ar2 is a lipid-like
      substituent where Ar1 and Ar2 are aromatic or heterocyclic groups, each
      optionally substituted with R1 [R1 = halo, R2, CN, NO2, CF3,
      fluoromethoxy, NHSO2R2, OR2, SR2, NR22, N+R23, C(O)NR22, SO2NR22,
      heterocyclyl, CO2R2, C(O)R2, OC(O)R2, NR2C(O)R2, or NHC(O)R2; R2 = H,
      aryl, alkyl, arylalkyl, (heterocyclyl)alkyl, aroyl, alkanoyl, alkanoyloxy,
      alkanoylamino, alkylsulfonyl, arylsulfonyl; two R2 groups may form one or
      more aromatic or heterocyclic rings]; K and Z are carbonyl, sulfonyl,
      alkylene, alkyleneoxy, oxyalkylene, alkyleneamino, aminoalkylene,
      alkyleneoxyalkylene, alkylenethio, thioalkylene, alkylenecarbonyl,
      aminocarbonyl or carbonylamino, alkyleneaminocarbonyl,
      aminocarbonylalkylene, O, O2C, CO2, alkylene, alkyleneoxycarbonyl,
      oxycarbonylalkylene, aminosulfonyl or sulfonylamino; Z is not a singe
      bond] were prepared as antibacterial agents.  Thus, N-[4-(3,4-
      dichlorobenzyloxy)benzyl]-N-glucose-C6-amino-vancomycin, prepared from
      vancomycin hydrochloride by a multistep sequence involving condensation
      with 4-(3,4-dichlorobenzyloxy)benzaldehyde, showed MIC = 0.125 µg/mL
      against Staphylococcus aureus Septicemia (in vivo).
RE.CNT  3     THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT


L10  ANSWER 8 OF 8  CAPLUS  COPYRIGHT 2007 ACS on STN
AN    2000:68479  CAPLUS
DN    132:122934
TI    Preparation of glycopeptide antibiotics and their combinatorial libraries
IN    Kahne, Daniel; Kerns, Robert; Fukuzawa, Seketsu; Ge, Min; Thompson,
      Christopher
PA    Princeton University, USA
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI  WO 2000004044 | A1 | 20000127 | WO 1999-US15845 | 19990714 |

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          KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
          NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
          UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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      CA 2337103            A1      20000127      CA 1999-2337103          19990714
      AU 9949916            A1      20000207      AU 1999-49916            19990714
      EP 1095058            A1      20010502      EP 1999-933979           19990714
          R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
      JP 2002520422         T       20020709      JP 2000-560150           19990714
      NZ 509165             A       20030829      NZ 1999-509165           19990714
      US 6710168            B1      20040323      US 1999-353368           19990714
      CA 2372392            A1      20001123      CA 2000-2372392          20000519
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             AZ, BY, KG, KZ, MD, RU, TJ, TM
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      ZA 2001001208         A       20011213      ZA 2001-1208             20010213
      ZA 2001009187         A       20021107      ZA 2001-9187             20011107
      US 2004106772         A1      20040603      US 2003-631883           20030731
      US 2005075483         A1      20050407      US 2003-676391           20031001
PRAI  US 1998-150690P       P       19980714
      US 1999-134839P       P       19990519
      US 1999-353368        A3      19990714
      WO 1999-US15845       W       19990714
      WO 2000-US13679       W       20000519
OS    CASREACT 132:122934
AB    Glycopeptides A1-A2-A3-A4-A5-A6-A7 [A1 comprises a modified or unmodified
      α-amino acid residue, alkyl, aryl, aralkyl, alkanoyl, aroyl,
      aralkanoyl, heterocyclyl, heterocyclylcarbonyl, heterocyclylalkyl,
      heterocyclylalkylcarbonyl, alkylsulfonyl, arylsulfonyl, guanidinyl,
      carbamoyl, or xanthyl; each of A2 to A7 comprises a modified or unmodified
      α-amino acid residue, where (i) A1 is linked to an amino group on
      A2, (ii) each of A2, A4 and A6 bears an aromatic side chain which is
      cross-linked by two or more covalent bonds, and (iii) A7 bears a terminal
      carboxyl, ester, amide, or N-substituted amide group; one or more of A1 to
      A7 is linked via a glycosidic bond to one or more glycosidic groups each
      having one or more sugar residues, at least one of the sugar residues
      bearing one or more substituents of the formula YXR, N+R1:CR2R3,
      N:PR1R2R3, N+R1R2R3 or P+R1R2R3 in which Y is a single bond, O, NR1 or S;
      X is O, NR1, S, SO2, C(O)O, C(O)S, C(S)O, C(S)S, C(NR1)O, C(O)NR1, or halo
      (in which case Y and R are absent); R, R1, R2, and R3 are H, alkyl, aryl,
      aralkyl, alkanoyl, aroyl, aralkanoyl, heterocyclyl, heterocyclylcarbonyl,
      heterocyclylalkyl, heterocyclylalkylcarbonyl, alkylsulfonyl, or
      arylsulfonyl] and their pharmaceutically acceptable salts or a chemical
      library comprising a plurality of the glycopeptides of the invention were
      prepared for use as antibiotics.  Thus, glucose-C6 modified vancomycin
      derivs. were prepared and assayed for antimicrobial activity (min.
      inhibitory concns. are tabulated).
RE.CNT  8       THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> log hold
COST IN U.S. DOLLARS                          SINCE FILE        TOTAL
                                                ENTRY          SESSION
FULL ESTIMATED COST                             24.57           399.73
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                 ENTRY        SESSION
CA SUBSCRIBER PRICE                              -2.34         -2.34

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 16:11:18 ON 12 APR 2007